



ENVIRONMENTAL & REGULATORY SERVICES
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Tommy G. Thompson, Governor
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Wisconsin Department of Commerce PECFA Program

BID NUMBER: 06-53208-1022-00

PECFA number: 53208-1022-00
BRRTS number: 03-41-004508
Site Name: Phillips 66 Service Station
Site Address: 5400 W. North Ave., Milwaukee, WI

Program contact: Jennifer Skinner, Site Review Hydrogeologist
Program contact address: 101 W. Pleasant St., Suite 205, Milwaukee, WI 53212
Program contact phone: 414-220-5373

Submitted Questions and Responses

1. Does DCOM and WDNR acknowledge the presence of environmental factors (Comm 47.337(3))?

Commerce and the WDNR agree that while it has not been definitively proven that the groundwater contamination plume is expanding, it is very likely. Because of the probability of an expanding plume, the active system partially installed, while not required, may be used.

2. If excavation removes MW-1, is replacement required?

If MW-1 is removed during excavation and it is determined that a well in this location is necessary to define the plume behavior, it should be replaced.

3. What is the minimum number of groundwater sampling rounds required?

Groundwater sampling will be required until the data indicate either a stable or receding plume.

4. What is the soil cleanup level (for excavation) for this site (SSRCL)?

There is no prescribed soil cleanup level. Once it is shown that the plume is not expanding, the site is closeable.

5. Does WDNR and DCOM expect that by monitoring MW-1, 2, 5, 6, 11, and 14, natural attenuation of groundwater impacts can be satisfactorily shown?

Yes, if some type of source contamination control is done first.

6. What are the available funds (dollars) for remediation and site closure?

To date, \$124,653.23 has been submitted to the claim section and \$116,893.23 has been reimbursed.

7. A review of information at the WDCOMM office indicates that at one point the installation of an active remedial system was approved. Was this system installed and/or operated? If so, what is it's status and is there any information on its specifications?

The remedial system, approved in August 1997, is approximately 60% installed. Because installation has not been completed, the system has never operated.

According to the site background information in the original consultant's bid specifications for the SVE and groundwater remediation system, "the conceptual design for the full-scale system includes 17 extraction wells, seven of which will be used for both soil vapor and groundwater extraction, three that will be used for groundwater extraction only, and seven of which will be used for soil vapor extraction only. The SVE system will require a moderate level of vacuum (6 to 11 inches of mercury) with a flow rate of between 18.2 and 94.2 scfm per well to achieve a 25-foot to 45-foot radius of influence at each well. The groundwater system will pump at a combined flow rate of between 5 and 15 gallons per minute (gpm) (0.5 to 1.5 gpm per well) to achieve contaminant plume capture." The system bid specifications are available for inspection by contacting Jennifer Skinner at Dept of Commerce/ERS, 101 W. Pleasant St., Ste. 205, Milwaukee, WI. Phone: (414) 220-5373.

Further information on the remedial system installed is available in documents at Ikon. (Contact Barbara Moczynski, Ikon Office Solutions, 205 E. Wisconsin Ave., Ste. 400, Milwaukee, WI. Phone: (414) 276-7077 and Fax: (414) 276-7119.) Also, the documents are available for review by contacting Jennifer Skinner at Dept of Commerce/ERS, 101 W. Pleasant St., Ste. 205, Milwaukee, WI. Phone: (414) 220-5373.

8. Could you please tell me how much was spent on the investigation and on any subsequent remediation?

The investigation was completed for \$85,957.97. No remediation has occurred yet.